

Patent Claims

1. A method for backward-signaling of a transmission service which is to be used for a call which is to be set up from a first telecommunication network, in which

- a mobile terminal (4) in the service area of a digital mobile radio network is called from the first telecommunication network,
- information completely describing the transmission service which is to be used is negotiated between the mobile terminal and a destination mobile switching center (2, Visited MSC) in the digital mobile radio network, is stored in the destination mobile switching center (2, Visited MSC), and is transported using at least one signaling message at least to an access mobile switching center (1, Gateway MSC) involved in the call which is to be set up, and is made available there.

2. The method as claimed in claim 1,  
characterized  
in that the first telecommunication network used is an ISDN network, a PSTN network or a mobile radio network (PLMN).

3. The method as claimed in claim 1 or 2,  
characterized  
in that the information completely describing the transmission service which is to be used is transported using at least one ISUP message.

4. The method as claimed in claim 3,  
characterized

in that the ISUP message used is an "Address Complete Message (ACM)", an "Answer Message (ANM)", a "Connect Message (CON)" or a "Call Progress Message (CPG)".

5. The method as claimed in either of claims 3 and 4, characterized  
in that the information completely describing the transmission service which is to be used is made available in an optional "Access Transport" parameter in the at least one ISUP message.

6. The method as claimed in one of the preceding claims, characterized  
in that the information completely describing the transmission service which is to be used is evaluated in the access mobile switching center in order to be able to execute transmission-service-specific functions contained therein.

7. The method as claimed in one of the preceding claims, characterized  
in that the information completely describing the transmission service which is to be used is additionally transmitted to other network nodes in the digital mobile radio network or in the first telecommunication network which are involved in the call which is to be set up.

8. The method as claimed in one of the preceding claims, characterized  
in that the information completely describing the transmission service which is to be used comprises a "Bearer Capability" information element (BC), a Low Layer

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Compatibility information element (LLC) or a High Layer  
Compatibility information element (HLC).